

# New combinations in the terrestrial orchid genera *Caladenia* R.Br. and *Pterostylis* R.Br. (Orchidaceae) for Victoria, Australia

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## Abstract

New combinations are made in the terrestrial orchid genera *Caladenia* R.Br. and *Pterostylis* R.Br. to accommodate new species described in genera not presently recognised in Victoria. (*The Victorian Naturalist* 124 (2), 2007, 123-124)

## Introduction

There have been many changes to the taxonomy of Australian orchids in recent years, at both the genus and species level. Over 90 new taxa were described in 2006 alone (Jones 2006a; 2006b; Jones and Clements 2006; Jones and Rouse 2006; Jones *et al.* 2006). Some of this taxonomy has been controversial, with significant differences between various authorities on the validity of proposed new genera. This has resulted in new segregate genera proposed in *Caladenia* R.Br. *sens. lat.* (Jones *et al.* 2001) and *Pterostylis* R.Br. *sens. lat.* (Jones and Clements 2002) being disputed (Hopper and Brown 2004a; Hopper and Brown 2004b) and, subsequently, not being widely recognised by botanical taxonomic authorities in Australia.

Despite this situation, new species continue to be described in genera presently not recognised by State herbaria. For instance, 23 new taxa were described in *Arachnorchis* (Jones 2006a) (= *Caladenia sensu* Hopper and Brown 2004a) and 19 new taxa in *Bunochilus* (Jones 2006b) (= *Pterostylis sensu* Hopper and Brown 2004b) in 2006. This is an unfortunate situation as, without a validly accepted scientific name, newly described species cannot clearly be accommodated in official lists of a region's flora. A validly accepted scientific name also makes the process of listing threatened species under State and Commonwealth biodiversity conservation legislation easier, a necessary first step in implementing any required protection measures.

New combinations are made in *Caladenia* R.Br. (from *Arachnorchis* D.L. Jones & M.A. Clem.) and *Pterostylis* R.Br. (from *Bunochilus* D.L. Jones & M.A. Clem.) for

those taxa occurring in Victoria. These combinations are made so a valid name can be included in the census of vascular plants of Victoria maintained by the National Herbarium of Victoria, and are central to the nomenclature adopted by botanists and legislative authorities in this State.

## Acknowledgements

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## References

- Hopper S and Brown A (2004a) Robert Brown's *Caladenia* revisited, including a revision of its sister genera *Cyanicula*, *Ericksonella* and *Pheladenia Caladeniinae*: Orchidaceae. *Australian Systematic Botany* 17, 171-240.
- Hopper S and Brown A (2004b) Robert Brown's *Caladenia* and *Pterostylis* revisited. *The Orchadian* 6, 184-186.
- Jones D (2006a) Miscellaneous new species of Australian Orchidaceae. *Australian Orchid Research* 5, 45-111.
- Jones D (2006b) Towards a revision of *Bunochilus* D.L.Jones & M.A.Clem. *Australian Orchid Research* 5, 112-142.
- Jones D and Clements M (2002) A new classification of *Pterostylis* R.Br. (Orchidaceae). *Australian Orchid Research* 4, 64-124.
- Jones D and Clements M (2006) Fourteen new taxa of Orchidaceae from northern and eastern Australia and two new combinations from New Guinea. *Australian Orchid Research* 5, 2-33.
- Jones D and Rouse D (2006) Fourteen new species of *Prasophyllum* from eastern Australia. *Australian Orchid Research* 5, 143-168.
- Jones D, Clements M, Sharm I and Mackenzie A (2001) A new classification of *Caladenia* R.Br. (Orchidaceae). *The Orchadian* 13, 389-419.
- Jones D, Clements M and Sharm I (2006) Towards a revision of the *Thelychiton speciosus* group. *Australian Orchid Research* 5, 34-44.

**New combinations**

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*Caladenia ampla* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis ampla* D.L. Jones, *Australian Orchid Research* **5**: 50 (2006)

*Caladenia ancylosa* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis ancylosa* D.L. Jones, *Australian Orchid Research* **5**: 51 (2006)

*Caladenia clavescens* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis clavescens* D.L. Jones, *Australian Orchid Research* **5**: 53 (2006)

*Caladenia crenna* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis crenna* D.L. Jones, *Australian Orchid Research* **5**: 53 (2006)

*Caladenia cretacea* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis cretacea* D.L. Jones, *Australian Orchid Research* **5**: 58 (2006)

*Caladenia douglasiorum* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis douglasiorum* D.L. Jones, *Australian Orchid Research* **5**: 62 (2006)

*Caladenia grampiana* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis grampiana* D.L. Jones, *Australian Orchid Research* **5**: 62 (2006)

*Caladenia oreophila* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis oreophila* D.L. Jones, *Australian Orchid Research* **5**: 55 (2006)

*Caladenia osmera* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis osmera* D.L. Jones, *Australian Orchid Research* **5**: 56 (2006)

*Caladenia peisleyi* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Arachnorchis peisleyi* D.L. Jones, *Australian Orchid Research* **5**: 57 (2006)

*Pterostylis crassa* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Bunochilus crassus* D.L. Jones, *Australian Orchid Research* **5**: 127 (2006)

*Pterostylis diminuta* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Bunochilus diminutus* D.L. Jones, *Australian Orchid Research* **5**: 120 (2006)

*Pterostylis loganii* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Bunochilus loganii* D.L. Jones, *Australian Orchid Research* **5**: 119 (2006)

*Pterostylis macilentia* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Bunochilus macilentus* D.L. Jones, *Australian Orchid Research* **5**: 117 (2006)

*Pterostylis montana* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Bunochilus montanus* D.L. Jones, *Australian Orchid Research* **5**: 118 (2006)

*Pterostylis prasina* (D.L. Jones) G.N. Backh., *comb. nov.*

Basionym: *Bunochilus prasinus* D.L. Jones, *Australian Orchid Research* **5**: 133 (2006)

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